

FORM PTO-1449

ATTY. DOCKET NO. 1875.1290002

APPLICATION NO. 09/985,886

## INFORMATION DISCLOSURE STATEMENT

APPLICANTS Seshadri et al.

FILING DATE November 6, 2001

GROUP 2631

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1					
	AB1					
	AC1					
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1					Yes No
	AM1					Yes No
	AN1					Yes No
	AO1					Yes No
	AP1					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

cy	AR	1	S. Alamouti, "A Simple Transmit Diversity Technique for Wireless Communications," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 16, No. 8, October 1998, pp. 1451-1458.
cy	AS	1	Alamouti <i>et al.</i> , "Trellis-Coded Modulation and Transmit Diversity: Design Criteria and Performance Evaluation," <i>Proceedings of ICUPC</i> , IEEE, 1998, pp. 703-707.
cy	AT	1	Divsalar <i>et al.</i> , "Multiple Trellis Coded Modulation (MTCM)," <i>IEEE Trans. Communications</i> , Vol. 36, No., 4, April 1988, pp. 410-419.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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AA2						
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AL2						Yes No
AM2						Yes No
AN2						Yes No
AO2						Yes No
AP2						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

En	AR	2	Fettweis et al., "High-Rate Viterbi Processor: A Systolic Array Solution," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 8, No. 8, IEEE, October 1990, pp. 1520-1533.
En	AS	2	Fettweis et al., "Parallel Viterbi Algorithm Implementation: Breaking the ACS-Bottleneck," <i>IEEE Transactions on Communications</i> , Vol. 37, No. 8, IEEE, August 1989, pp. 785-789.
En	AT	2	Forney, G., "The Viterbi Algorithm," <i>Proceedings of the IEEE</i> , Vol. 61, No. 3, March 1973, IEEE, New York, New York, pp. 268-278.

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	AC3					
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	AL3					Yes No
	AM3					Yes No
	AN3					Yes No
	AO3					Yes No
	AP3					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

g	AR	3	H. Jafarkhani, "A Quasi-Orthogonal Space-Time Block Code," <i>IEEE Trans. Communications</i> , Vol. 49, No.1, January 2001, pp. 1-4.
g	AS	3	Siwamogsatham et al., "Robust Space-Time Coding for Correlated Rayleigh Fading Channels," <i>Proceedings - Thirty-Eighth Annual Allerton Conference on Communication, Control, and Computing - Volume II</i> , University of Illinois, October 2000, pp. 1057-1066.
g	AT	3	G. Ungerboeck, "Channel Coding for Multilevel/Phase Signals," <i>IEEE Trans. Inform. Theory</i> , Vol. IT-28, No. 1, IEEE, New York, New York, January 1982, pp. 55-67.

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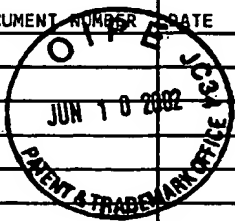
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	AA4					
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	AL4					Yes No
	AM4					Yes No
	AN4					Yes No
	AO4					Yes No
	AP4					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

63	AR	4	Tarokh et al., "New Detection Schemes for Transmit Diversity with no Channel Estimation," <i>IEEE 1998 International Conference on Universal Personal Communications</i> , IEEE, Piscataway, New Jersey, 1998, pp. 917-920.
63	AS	4	Tarokh et al., "Space-time Block Codes from Orthogonal Designs," <i>IEEE Trans. Inform. Theory</i> , Vol. 45, No. 5, IEEE, July 1999, pp. 1456-1467.
63	AT	4	Tarokh et al., "Space-Time Block Coding for Wireless Communications: Performance Results," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 17, No. 3, IEEE, March 1999, pp. 451-460.

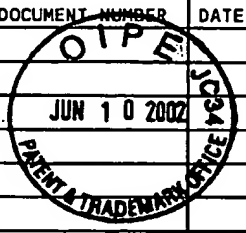
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	AA5					
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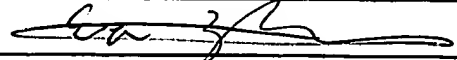
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	AL5					Yes No
	AM5					Yes No
	AN5					Yes No
	AO5					Yes No
	AP5					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Eg	AR	2	Tarokh et al., "Space-Time Codes for High Data Rate Wireless Communication: Performance Criterion and Code Construction," <i>IEEE Trans. Inform. Theory</i> , Vol. 44, No. 2, IEEE, March 1998, pp. 744-765.
	AS	2	
	AT	2	

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## FOREIGN PATENT DOCUMENTS

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	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ez	AR	1	van Wyk et al., "On the Construction of Layered Space-Time Coded Modulation (STCM) Codes Employing MTCM Code Design Techniques," <i>Proceedings of the Vehicular Technology Conference</i> , Vol.5, Conf. 50, IEEE, New York, September 19-22, 1999, pp. 2969-2973.
	AS	1	
	AT	1	

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